

**DRAFT – FOR DISCUSSION PURPOSES ONLY
NOT INTENDED TO BE ENTERED AS AN
OFFICIAL RESPONSE**

Application No. 09/681,471

Attorney Docket No. 15-IS-5715

Amendment dated November 22, 2004

Reply to Final Office Action of September 22, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A central medical data archiving system, said system comprising:

a medical data source providing medical data, wherein said medical data comprises at least one of a medical image, a medical patient report, and a medical application;

a status monitor for controlling the transfer of said medical data from said data source to a centralized remote data store, wherein said status monitor monitors operations occurring at ~~at least one of~~ said data source ~~and centralized remote data store~~ and triggers an archive request after said medical data is obtained by said data source, said data source transmitting said medical data to said centralized remote data store when said archive request is triggered~~transfer of said medical data to said centralized remote data store based on said operations~~; and

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a centralized remote medical data store receiving said medical data and storing said medical data, wherein said centralized remote medical data store comprises an application service provider.

2. (Original) The system of claim 1, wherein said status monitor verifies said transfer of said medical data from said data source to said remote data store.

3. (Original) The system of claim 1, further comprising an access authenticator for authenticating access to said remote data store by said data source.

4. (Original) The system of claim 3, wherein said access authenticator authenticates access to said data source.

5. (Original) The system of claim 1, wherein said data source further stores medical data.

6. (Original) The system of claim 5, wherein said remote data store further restores said medical data to said data source.

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7. (Original) The system of claim 1, wherein said remote data store stores a copy of said medical data.

8. (Original) The system of claim 1, further comprising a second data source for storing medical data, wherein said remote data store transfers said medical data to said second data source.

9-10. (Canceled)

11. (Original) The system of claim 1, wherein said status monitor controls the transfer of data from said data source to said remote data store at a definable interval.

12. (Original) The system of claim 11, wherein said definable interval comprises a timed interval.

13. (Original) The system of claim 11, wherein said definable interval comprises an event-based interval.

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14. (Original) The system of claim 11, wherein said definable interval comprises a manual interval.

15. (Currently Amended) A system for remotely accessing a centralized data store, said system comprising:

a centralized remote data store storing medical data indexed according to data source, wherein said medical data comprises at least one of a medical image, a medical report, and a medical application, wherein said centralized remote data store comprises an application service provider; and

a status monitor for controlling the transfer of said medical data from said centralized remote data store to a data source, wherein said status monitor automatically detects an error in said medical data at said data source by detecting at least one of data loss, data corruption, and failure of said system via a front-end connection between said data source and said status monitor, said status monitor instructing said centralized remote data store to transmit data to said data source in order to restore said medical data, monitors actions occurring at said data source and controls said centralized remote data store and said data source to transfer said

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~~medical data from said centralized remote data store to said data source based on a trigger, wherein said trigger is based on an action occurring at said data source; and a wherein said data source receives said medical data and stores said medical data.~~

16. (Original) The system of claim 15, further comprising a second data source storing medical data.

17. (Original) The system of claim 16, wherein said status monitor controls the transfer of said copy of said medical data between said remote data store and said second data source.

18. (Original) The system of claim 16, wherein said status monitor verifies the transfer of said copy of said medical data between said remote data store and said second data source.

19. (Original) The system of claim 15, further comprising an access authenticator for authenticating access to said remote data store.

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20. (Previously presented) The system of claim 15, wherein said status monitor verifies said transfer of said medical data between said data source and said remote data store.

21-22. (Cancelled)

23. (Original) The system of claim 15, wherein said remote data store restores said medical data at said data source.

24. (Previously presented) The system of claim 15, wherein said remote data store comprises at least one directory corresponding to said data source.

25. (Currently Amended) A method for remotely archiving medical data, said method comprising:

detecting an operation involving medical data executed at a medical data source,
said operation including obtaining said medical data at said medical data source;

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transferring said medical data from said medical data source to a centralized remote data store based on a trigger, wherein said trigger is produced by a status monitor after based-on-said-operation-executed-at-said-data-source said operation occurs, wherein said medical data comprises at least one of a medical image, a medical report, and a medical application;

storing said medical data at said centralized remote data store; and

indexing said medical data according to said data source.

26. (Original) The method of claim 25, further comprising the step of obtaining said medical data.

27. (Original) The method of claim 25, further comprising the step of storing said medical data at said data source.

28. (Original) The method of claim 25, wherein said storing step further comprises storing said medical data at said remote data store in a directory corresponding to said data source.

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29. (Original) The method of claim 25, wherein said transferring step further comprises verifying said transfer of medical data from said remote data store to said data source.

30. (Original) The method of claim 25, further comprising the step of authenticating access to said remote data store.

31. (Original) The method of claim 25, wherein said transferring step occurs after a definable interval.

32. (Original) The method of claim 31, wherein said definable interval comprises a timed interval.

33. (Original) The method of claim 31, wherein said definable interval comprises an event-based interval.

34. (Original) The method of claim 31, wherein said definable interval comprises a manual interval.

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35. (Original) The method of claim 25, further comprising the step of restoring said medical data to said data source from said remote data store.

36. (Original) The method of claim 25, further comprising the step of copying said medical data from said remote data source to a second data source.

53. (Previously presented) The system of claim 1, further comprising a dedicated network connection for transferring said medical data between said medical data source and said centralized remote medical data store.

54. (Previously presented) The system of claim 15, further comprising a private network connection for transferring said medical data between said data source and said centralized remote data store.

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1. (Currently Amended) A central medical data archiving system, said system comprising:

a medical data source providing medical data, wherein said medical data comprises at least one of a medical image, a medical patient report, and a medical application;

a status monitor for controlling the transfer of said medical data from said data source to a centralized remote data store, wherein said status monitor monitors operations occurring at ~~at least one of said data source and centralized remote data store~~ and triggers an archive request after said medical data is obtained by said data source, said data source transmitting said medical data to said centralized remote data store when said archive request is triggered~~transfer of said medical data to said centralized remote data store based on said operations~~; and

a centralized remote medical data store receiving said medical data and storing said medical data, wherein said centralized remote medical data store comprises an application service provider.

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2. (Original) The system of claim 1, wherein said status monitor verifies said transfer of said medical data from said data source to said remote data store.

3. (Original) The system of claim 1, further comprising an access authenticator for authenticating access to said remote data store by said data source.

4. (Original) The system of claim 3, wherein said access authenticator authenticates access to said data source.

5. (Original) The system of claim 1, wherein said data source further stores medical data.

6. (Original) The system of claim 5, wherein said remote data store further restores said medical data to said data source.

7. (Original) The system of claim 1, wherein said remote data store stores a copy of said medical data.

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8. (Original) The system of claim 1, further comprising a second data source for storing medical data, wherein said remote data store transfers said medical data to said second data source.

9-10. (Canceled)

11. (Original) The system of claim 1, wherein said status monitor controls the transfer of data from said data source to said remote data store at a definable interval.

12. (Original) The system of claim 11, wherein said definable interval comprises a timed interval.

13. (Original) The system of claim 11, wherein said definable interval comprises an event-based interval.

14. (Original) The system of claim 11, wherein said definable interval comprises a manual interval.

15. (Currently Amended) A system for remotely accessing a centralized data store, said system comprising:

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a centralized remote data store storing medical data indexed according to data source, wherein said medical data comprises at least one of a medical image, a medical report, and a medical application, wherein said centralized remote data store comprises an application service provider; and

a status monitor for controlling the transfer of said medical data from said centralized remote data store to a data source, wherein said status monitor automatically detects an error in said medical data at said data source by detecting at least one of data loss, data corruption, and failure of said system via a front-end connection between said data source and said status monitor, said status monitor instructing said centralized remote data store to transmit data to said data source in order to restore said medical data, monitors actions occurring at said data source and controls said centralized remote data store and said data source to transfer said medical data from said centralized remote data store to said data source based on a trigger, wherein said trigger is based on an action occurring at said data source; and

a wherein said data source receives said medical data and stores said medical data.

16. (Original) The system of claim 15, further comprising a second data source storing medical data.

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17. (Original) The system of claim 16, wherein said status monitor controls the transfer of said copy of said medical data between said remote data store and said second data source.

18. (Original) The system of claim 16, wherein said status monitor verifies the transfer of said copy of said medical data between said remote data store and said second data source.

19. (Original) The system of claim 15, further comprising an access authenticator for authenticating access to said remote data store.

20. (Previously presented) The system of claim 15, wherein said status monitor verifies said transfer of said medical data between said data source and said remote data store.

21-22. (Canceled)

23. (Original) The system of claim 15, wherein said remote data store restores said medical data at said data source.

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24. (Previously presented) The system of claim 15, wherein said remote data store comprises at least one directory corresponding to said data source.

25. (Currently Amended) A method for remotely archiving medical data, said method comprising:

detecting an operation involving medical data executed at a medical data source,
said operation including obtaining said medical data at said medical data source;
transferring said medical data from said medical data source to a centralized
remote data store based on a trigger, wherein said trigger is produced by a status
monitor after based-on-said-operation-executed-at-said-data-source said operation
occurs, wherein said medical data comprises at least one of a medical image, a medical
report, and a medical application;
storing said medical data at said centralized remote data store; and
indexing said medical data according to said data source.

26. (Original) The method of claim 25, further comprising the step of
obtaining said medical data.

27. (Original) The method of claim 25, further comprising the step of
storing said medical data at said data source.

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28. (Original) The method of claim 25, wherein said storing step further comprises storing said medical data at said remote data store in a directory corresponding to said data source.

29. (Original) The method of claim 25, wherein said transferring step further comprises verifying said transfer of medical data from said remote data store to said data source.

30. (Original) The method of claim 25, further comprising the step of authenticating access to said remote data store.

31. (Original) The method of claim 25, wherein said transferring step occurs after a definable interval.

32. (Original) The method of claim 31, wherein said definable interval comprises a timed interval.

33. (Original) The method of claim 31, wherein said definable interval comprises an event-based interval.

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34. (Original) The method of claim 31, wherein said definable interval comprises a manual interval.

35. (Original) The method of claim 25, further comprising the step of restoring said medical data to said data source from said remote data store.

36. (Original) The method of claim 25, further comprising the step of copying said medical data from said remote data source to a second data source.

53. (Previously presented) The system of claim 1, further comprising a dedicated network connection for transferring said medical data between said medical data source and said centralized remote medical data store.

54. (Previously presented) The system of claim 15, further comprising a private network connection for transferring said medical data between said data source and said centralized remote data store.